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- 1 [A middleware for location-based mobile applications with privacy protection](#)  
Oliver Jorns, Gerald Quirchmayr  
November 2008 **IIWAS '08: Proceedings of the 10th International Conference on Integration and Web-based Applications & Services**

**Publisher:** ACM

Full text available: [Pdf \(374.18 KB\)](#) [Additional Information: full citation, abstract, reference terms](#)

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Network operators gradually open their interfaces to formerly hidden services, which fosters the development of a new class of mobile applications that take context information such as the location of users. However, the development of such applications is based on...

**Keywords:** location-based services, privacy, security, telecommunications

- 2 [Signalling analysis in integrated 4G networks](#)  
Hakima Chaouchi, Ivan Armuelles, Ivan Ganchev, Máirtín O'Droma, Nino K. January 2006 **International Journal of Network Management**, Volume 16  
**Publisher:** John Wiley & Sons, Inc.

Full text available: [Pdf \(517.12 KB\)](#) [Additional Information: full citation, abstract, reference terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 69, Citation

Scarce radio resources and the ambition to increase the number of mobile services are pushing mobile communication systems from non-service convergent 2G and convergent-service 2.5G and 3G wireless networks towards fully service convergent 4G networks.

- 3 [Integrating heterogeneous wireless technologies: a cellular aided mobile network \(CAMA\)](#)

Bharat Bhargava, Xiaoxin Wu, Yi Lu, Weichao Wang  
August 2004 **Mobile Networks and Applications**, Volume 9 Issue 4  
**Publisher:** Kluwer Academic Publishers

Full text available: [Pdf \(365.14 KB\)](#) [Additional Information: full citation, abstract, reference terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 65, Citation

A mobile ad hoc network is a collection of wireless terminals that can be deployed in a dynamic environment. Its deficiencies include limited wireless bandwidth efficiency, low throughput, and weak security. Integrating it with a well-established cellular network can improve its performance.

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**Keywords:** ad hoc networks, cellular networks, heterogeneous network service, security

4 [Introduction of the asymmetric cryptography in GSM, GPRS, UMTS, key infrastructure integration](#)

Constantinos F. Greca, Sotirios J. Maniatis, Iakovos S. Venieris

April 2003 **Mobile Networks and Applications**, Volume 8 Issue 2

**Publisher:** Kluwer Academic Publishers


Full text available:  [Pdf](#) (107.24 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 103, Citation

The logic ruling the user and network authentication as well as the data GSM architecture is characterized, regarding the transferring of the part in these processes, by transactions between three nodes of the system,

**Keywords:** PKIs, PLMNs, asymmetric cryptography

5 [Flexible resource allocation and composition across gsm/3g network](#)

 Mohammad Al-Fares, Martin Johnsson, Per Johansson, Amin Vahdat

August 2008 **MobiArch '08: Proceedings of the 3rd international workshop evolving internet architecture**

**Publisher:** ACM 


Full text available:  [Pdf](#) (503.14 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 99, Citation

A significant challenge facing wireless and mobile networking is seamless connectivity. As expected, no single network operator and no single technology define the wireless access landscape. Instead, heterogeneity and change characterize


**Keywords:** mobile roaming, network composition, resource allocation

6 [On the security of wireless network access with enhancements](#)

 Lein Harn, Wen-Jung Hsu

September 2003 **WISE '03: Proceedings of the 2nd ACM workshop on Wireless Security**

**Publisher:** ACM 



Full text available:  [Pdf](#) (263.94 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 232, Citation

The security of the current 3G wireless protocols addresses the problem of securing data systems, in addition to fulfilling the higher 3G security requirements for systems operating in IP networks as well as voice networks. However, the approach

**Keywords:** 3G mobile network security and authentication, security

7 [A multi-layer approach to the study of inter-organizational wireless in](#)

-  Carleen Maitland, Annemijn van Gorp, Ankur Tarnacha, Rudi Westerveld  
 August 2006 **ICEC '06: Proceedings of the 8th international conference on I-commerce: The new e-commerce: innovations for conquering obstacles and limitations to conducting successful business on**  
**Publisher:** ACM  
 Full text available:  Pdf (513.32 KB) **Additional Information:** full citation, abstract, referer  
**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 83, Citation

The supply side of the pervasive commerce market will rely on a mix of technologies that include public cellular and wireless networks as well as networks owned and operated by individuals and organizations. The inter these ...

**Keywords:** inter-organizational systems, pervasive commerce, wireless

- 8 Location management for mobile commerce applications in wireless environment  
 Upkar Varshney  
 August 2003 **Transactions on Internet Technology (TOIT)** . Volume 3 Issue  
**Publisher:** ACM  Request Permissions  
 Full text available:  Pdf (630.00 KB) **Additional Information:** full citation, abstract, referer terms  
**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 362, Citation

With recent advances in devices, middleware, applications and network the wireless Internet is becoming a reality. We believe that some of the the wireless Internet will be emerging mobile applications such as mobile

**Keywords:** Mobile commerce, infrastructure dependability, location management applications, satellites, wireless Internet, wireless LANs, wireless multicasting

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